

MINING journal VOL. 313

AND

MINING magazine VOL. 161

INDEX

1989

JULY-DECEMBER

CONTENTS

Metals and Minerals	Page 1
Countries	Page 4
Methods and Machines	Page 7
Companies and Other Public Bodies	Page 9

INDEX CLASSIFICATION

A	Article	M	Methods and Machines	O	Obituaries
E	Editorial	ME	Company Meetings	P	Panorama
H	Highlights	MF	Mining Finance	R	Book Reviews
I	Industry in Action	MW	Mining Week	S	Metal Markets
L	Letters	N	Notes and Comments		

This combined index covers the complete editorial content of both Mining Journal and Mining Magazine. Additional copies may be obtained from the Subscription Department.

Metals and Minerals

ALUMINIUM

More alumina from Alcoa	IA	J026
Aluminium drifts lower	S	J034
Major Al plant for China	IA	J045
Hesitant start for LME warehouses in Japan?	S	J053
Bahrain smelter priority	MW	J062
Aluminium surplus - no cause for alarm	S	J074
Catalytic testing	S	J094
Saudi smelter stake for Alcoa	IA	J127
Raynolds modernization	IA	J129
Alcoa shuts pipeline	IA	J129
Aluminium stocks surprise	S	J156
Wagerup expansion	IA	J158
Base metals off the boil	S	J194
Partners for Canadian smelter	IA	J229
Aluminium response	IA	J249
Hugo damage at Holly	IA	J249
Hurricane boost for aluminium	S	J263
Prices to stabilize?	S	J263
LME aluminium - producers poorly served?	S	J286
Mixed outlook for base metals	S	J287
Expansion for Wagerup refinery	IA	J301
Mt. Holly resumption	IA	J301
Brazil's aluminium halt	MW	J322
Brazil refinery increase	MW	J322
Alumina/zeolite figures for Yugoslavia	IA	J350
Aluminium - intensity of use to decline	S	J352
IPAI power utilization	S	J352
Base metals stumble	S	J393
Aluminium smelter for Algeria	IA	J407
Bear essentials for aluminium?	S	J415
The Middle East factor	S	J415
Buraco almost normal	IA	J430
More stability?	S	J431
Alcoa move dimays	S	J431
Aluminium oversupply?	S	J448
Hungary upgrades Al plant	IA	J462
Alumina price explosion poses problems for smelters	S	J468
Alcoa reduces output	S	J468
Comex contract under review	S	J468

New Year's metals outlook	MW	J499
Soviet aluminium venture	IA	J502

ANTIMONY

Minor metals subdued	S	J012
Minor metals quiet	S	J115
Minor metals revive	S	J218
Antimony strike threat	MW	J273
Minor metals	S	J315
Minor metals quiet	S	J392
Minor metals trading in November	S	J468

ASBESTOS

Asbestos action	MW	J165
Asbestos	A	M411

BAUXITE

Jamaican bauxite and alumina	IA	J107
Orinoco mining project to be shelved	IA	J249
Rebel attack in Surinam	IA	J327
Chinese overview	IA	J345
Surinam problems continue	IA	J365
Bauxite in Saudi Arabia	IA	J481

BISMUTH

Minor metals subdued	S	J012
Minor metals quiet	S	J115
Minor metals anomalies	S	J157
Minor metals revive	S	J218
Minor metals	S	J315
Minor metals quiet	S	J392
Minor metals trading in November	S	J468

CADMIUM

Minor metals subdued	S	J012
Minor metals quiet	S	J115
Minor metals anomalies	S	J156
Minor metals revive	S	J218
Minor metals	S	J315
Minor metals quiet	S	J392
Minor metals trading in November	S	J468

CHROME

Kazakhstan chrome	IA	J064
Plans for Purity chrome mine	IA	J065
Coleraine chrome study	IA	J301
Chrome and gold values	IA	J324
Minor metals quiet	S	J392
Albanian chrome find	IA	J424
Ferrochrome oversupply	S	J469
U.N. in Philippines chrome project	IA	J480

COAL

Coal in Europe	N	J010
A burning issue	N	J011
Canadian coal	MW	J043
Coal auction	IA	J045
Denison contract approved	IA	J046
Siberian chill	N	J051
Demand to fuel coal boom	S	J054
China coal forecast	MW	J062
Aberfan closure	MW	J063
Chasalla project for SAIL	IA	J065
Pittston proposal	IA	J067
Canadian coal contract	IA	J067
The Soviet coal industry	N	J071
Indian coal	MW	J103
Hungarian mine closures	IA	J107
Neyveli lignite search	IA	J127
Kent coal closure	IA	J151
Australian joint venture to develop Northern Ireland lignite	P	M091
Kalpin Prima Coal contract	IA	J169
Obed Marsh coal divestment	IA	J169
U.K.: new coal projects	IA	J185
Soviet coal division	MW	J207
Mecsek coal pact	IA	J309
Coal, a political issue in South Australia	MW	J227
More contracts from Kaltim Prima	IA	J229
British Coal - the ultimate goal	N	J233
New coal mine in Jilin	IA	J250
New coal preparation plant at Halcby Colliery	A	M192
Coal and lignite mines of the Market Economy Countries	A	M213
Agip stake in Queensland coal mines	IA	J277

Munosa investigation	IA	J279
Huller's restructuring	IA	J279
BP Coal's final stage	MW	J297
Coal in Bangladesh	MW	J298
Coal in Portugal	MW	J298
Lignite field in Turkey	IA	J300
Waste coal for co-operation plant	IA	J301
EDC financing for Colombian sales	IA	J327
Spain fights for domestic power base	MW	J338
Archangels proposals for Muratnara	IA	J345
Rock stability problems in Polish coal mines	P	M251
Marapukaria coal project	P	M251
Sino coal invitation	IA	J363
Romanian lignite and brown coal	IA	J363
Oldest colliery closes in Japan	IA	J365
Soviet deadlock	MW	J381
New Siberian coal	IA	J385
CDP in India	IA	J385
White Industries bid	IA	J385
Spanish coal plans	MW	J401
Coal pipeline project	IA	J407
Pakistani coalfield	IA	J407
European record for British Coal	IA	J409
Oil and coal imports necessary?	P	M355
Coal - the corporate changes	N	J446
European aid	MW	J459
Omni coal study	IA	J462
Chinese pipelines	IA	J462
Mecsek update	IA	J463
New mine in India's Eastern Coalfields	IA	J481
British Coal's supply contract	IA	J482
Taylor Woodrow award	IA	J482
Chongchon River coal in D.P.R.K.	IA	J482
Record output from Omblia mine	IA	J482
BP coal sale continues	MW	J497
Biological cleaning in the U.S.A.	IA	J501
Mexico's coal rise	IA	J502
Spanish coal problems	IA	J503
Obed Mountain divestment	IA	J503
Power Inc.'s coal mines forge ahead	A	M516

COBALT

Minor metals subdued	S	J012
Minor metals quiet	S	J115
Minor metals revive	S	J218
Blackbird sale on the cards	IA	J303
Minor metals	S	J315
Minor metals quiet	S	J392
Minor metals trading in November	S	J468

COPPER

Escondido ahead of schedule	IA	J006
Copper slides	S	J013
Spanish Cu-Au deposit	IA	J025
Jiangxi's Dexing	IA	J026
Caracas mill expansion	IA	J026
Copper revives	S	J033
Cyprus terminates Magna	S	J034
Copper contract	S	J034
Grasberg on target	MW	J041
Mexican concentrates for Magna	IA	J048
Supply disruptions aid copper	S	J053
Copper-gold deposits open for development in Haiti	P	M007
Louvicourt township results	IA	J084
Copper uncertainty	S	J084
Mount Polley diff the boil	IA	J105
Chu Chu results	IA	J106
Agip funds Radio Hill	IA	J106
Morocci expansion	IA	J107
China's copper shortfall and tin expansion	S	J114
Dunka Road resource	IA	J127
Expansion at Los Bronces	IA	J127
Candelaria work for Phelps Dodge	IA	J148
Early shutdown for Cyprus	IA	J151
Copper undertered	S	J156
Mount Polley confidence grows	IA	J168
Hassan Lake drilling	IA	J169
Now claims for Pacific Houston	IA	J169
Kassamshi progress	IA	J169
Revival for Zairea copper plant	IA	J169
Copper conc. shortage - Japan feels the pinch	S	J174
Nevada Corvo concs. for Outokumpu	S	J174
Louvicourt resource estimate	IA	J185
McArthur study positive	IA	J185
Base metals off the boil	S	J194
Cyprus/Plenus exchange	IA	J208
Quebrada Blanca licence for Cominco group	IA	J209
Cominco investment	IA	J210
Base metals shrug off stocks increase	S	J219
LME contract moves	IA	J219
Bound-up in Yugoslavia	IA	J230
Comex moves to curb copper speculation	S	J237
Teniente landslide	IA	J249
Copper outlook - more of the same	N	J255
Copper in Canada - opportunity and challenge	N	J256
In situ copper mining	N	J259
Chile - maintaining pole position	N	J260
Copper under pressure	S	J263
Nevada Corvo	IA	M184
ECM lifts copper output	IA	J279
Calla for dollar-based copper contract	S	J287
Betta Cove drilling for Bitech	IA	J300
Marcopter fast depleted	IA	J301
Copper see-saw	S	J314
Back-price premium raised	S	J314
Canases accord	MW	J321
Polish scoop for Canadian miner	MW	J323
Philippines Cu-Ag project	IA	J324
Japanese interest in Texas smelter	IA	J325
November resumption for Teniente	IA	J327
Chile's copper exports up	IA	J327
PASAR expansion	MW	J341
Minero Peru's tenders fail	IA	J345
Copper's confidence sags	S	J351
Copper concentrates	S	J351
USM contract for PAN	IA	J363
Langxi approval awaited	IA	J363
Jiangxi copper output	IA	J363
Mixed signals on the LME	IA	J374
Lae Condes works for Wenden	IA	J398
Base metals stumble	S	J393
Sudanese development	IA	J423
Zhidivar confirmed	IA	J424
Base metals lurch lower	S	J431
Mobru update	IA	J440
Finland copper for Outokumpu	IA	J441
Cuban investigation	IA	J441
Copper shortage to continue	S	J449
Escondido ahead of schedule	IA	J461
Wagapora Copper review	IA	J462
Landmark at Erdnet	IA	J463
U.S. copper pessimism	S	J489
New Year's metals outlook	MW	J499
Superior mine strike	IA	J501
Bethlehem update	IA	J501
U.S. copper opportunities in the 1990s	S	J510

CYANIDE

Misproc: cyanide plant	IA	J044
Cyanide contract for Fluor	IA	J127

DIAMONDS

Diamond sales record	S	J013
C.A.R. diamond search	IA	J025
Diamonds in Arkhangelskaya	IA	J064
De Beers - adjoining assets	N	J062
Ghana's next best friend	MW	J103
U.K. diamond probe	S	J137
Kimerlites in Canada	IA	J344
Diamond sales strategy	S	J352
proving effective	S	J352
Copetons diamonds	MW	J358
Feljaio Cru decision	IA	J407
Takut diamond experiment	IA	J425
'Ova brand' gems from Argyle	MW	J459
Namibian diamonds	A	M494

FLUORSPAR

Mongolian fluorspar	IA	J363
---------------------	----	------

GALLIUM

Gallium glut?	S	J034
Gallium start for Rhos-	IA	J186
Poulenc		

GEMSTONES

Finish emerald	IA	J440
----------------	----	------

GERMANIUM

Minor metals subdued	S	J012
Minor metals quiet	S	J115

GOLD AUSTRALIA

New Au/Ag refinery for Townsville	IA	J006
Mt. Isa area drilling	IA	J084
Disraeli in stream	IA	J084
Super pit on schedule	MW	J082
McClure drilling	IA	J084
Day Dawn	IA	J085
Sons of Gwalia deepening	IA	J088
Kaituma Hill results	IA	J088
Carlinga Well	IA	J105
Yandanderra resource	IA	J107
Board shuffles super pit	MW	J145
German Well resource	IA	J148
Good grades for Samantha	IA	J151
Marys Hill results	IA	J168
Milestones for Kidston	IA	J170
Gold hike for Australia	IA	J186
Wynberg results for Epoch/Deves	IA	J208
Funding for Ballarat	IA	J228
Dragon expands Mt. Monger	IA	J229
holdings	IA	J248
Coronation Hill/Gympie	IA	J248
update	IA	J248
Porphory ore for Westralian	IA	J249
Herald funding	IA	J277
Kakadu transfer	MW	J297
Racetrack resource expansion	IA	J301
Mt. Burgess expands land	IA	J324
holdings	IA	J324
Go-ahead for Deborah project	IA	J325
Gold pour in Victoria state	IA	J325
Labouchere plant on stream	IA	J327
Arborey stepping up output	IA	J345
Great Western mine in Victoria	IA	J363
Gwalia group moves ahead	IA	J384
Funding opens way for Three Mile Hill	IA	J385
ACM's plans for Westonia	IA	J385
Harbour lights boost	IA	J385
Grassy Smith advancing	IA	J407
Plutonic plans	IA	J407
Golden Kilometer mileage	IA	J409
Croesus overview	IA	J460
Day Dawn proceeds	IA	J461
Going underground at Tom's Gully	IA	J481
Intensive work at Mt. McClure	IA	J500

GOLD SOUTH AFRICA

R.S.A. gold output	IA	J087
South African gold decline	IA	J388
Beatrix expansion proposal	IA	J462

GOLD U.S.A.

Further gold at Matthews	IA	J004
Lease	IA	J004
Nevada Goldfields' encouragement	IA	J004
Port Knox opens	IA	J006
Champagne debut	IA	J006
Europa stake in U.S. gold	IA	J025
properties	IA	J026
August start for Mineral Hill	IA	J026
Malartic's Congress plans	IA	J044
Rahway construction phase	IA	J065
Eastmaque Gold success	IA	J085
BIG leap at Bullfrog	MW	J082
Ashdown funding sought	IA	J084
Mother Lode go-ahead	IA	J085
Estes Mountain	IA	J105
Yellow Jacket venture	IA	J105
Alta Gold high	IA	J106
Pegasus farms into Ortiz	IA	J125
gold	IA	J125
Quartz Mountain study	IA	J125
positive	IA	J125
Port Knox drilling continues	IA	J125
Talapaosa reentry	IA	J127
Bar's Hill under construction	IA	J127
New partner for Eastmaque	IA	J129
Canyon/Minex go west	IA	J148
New partner for Zaca?	IA	J148
Goldfield study positive	IA	J149
Kingston mine on standby	IA	J151
BIG gold loan	MW	J167
USM/Amerigo joint venture	IA	J168
Palomar projects	IA	J169
Wind Mountains commercial	IA	J169
Homestake mine spreads	IA	J170
Santa Fe loan	IA	J184
Mineral Hill dedication	IA	J186
Suchokra assessment	IA	J208
continues	IA	J208
XX agreement with Bow Valley	IA	J228
Mother Lode acquisition	IA	J248
Sierra resource expansion	IA	J248
Antelope Creek interest for Scintillone/Trio	IA	J248
Gold King/Icona partnership	IA	J249
American Girl project formal	IA	J249
Mother Lode mine construction	IA	J277

Drifting into Orion property	IA	J188
------------------------------	----	------

Coronation Gulf round-up	IA	J168
Red Elephant drilling	IA	J168
Strike farms out claims	IA	J168
Tundra/Erickson update	IA	J185
Snowbird overview	IA	J185
Nugget Pond/Bette Cove	IA	J208
McLellan closure for Lynggold?	IA	J210
Denison Lake discoveries	IA	J228
Eagle River work	IA	J228
Eskey Creek results	IA	J229
Sphinx Mining's progress	IA	J249
Pascall/Belliveau mine opening	IA	J250
Selena Creek placer for Verdstone	IA	J276
Red Mountain find	IA	J277
Cathedral goes underground	IA	J277
Eskey Creek update	MW	J299
Erickson project: shift in priorities	IA	J300
Bisset analysis continues	IA	J300
Snowbird's North Zone potential	IA	J300
Murray Brook on stream	IA	J303
Monique drilling results	IA	J324
Assay results from Calpine's Eskey Creek	IA	J325
New proposal for Kerr mine	IA	J325
Tartar Lake mine suspension	IA	J327
U.S. Milligan advance	IA	J344
Underground progress at Tundra	IA	J344
Quet work for Aranelle	IA	J345
Good start for Murray Brook	IA	J346
Casa Berardi venture for Total	IA	J361
Emerald Creek	IA	J361
Casa Berardi Quest ahead of schedule	IA	J363
Great Western Star drilling	IA	J404
Pavlov Lake study planned	IA	J404
Betta Cove encouragement	IA	J404
Golden City's quarter	IA	J430
Skyline Gold's Johnny Mountains	A	M370
Expansion at the Joe Mann mine	A	M397
Colomac gold mine	A	M400
Nor-Acme study continues	IA	J440
Budget approved for Nyland claims	IA	J440
Magnite area drilling	IA	J440
Bronson Creek results for Cathedral	IA	J440
Golden on Ormeo property	IA	J441
Estrades study completed	IA	J441
Montauban bells toll	IA	J443
Hope Brook overview	IA	J462
Chester Township drilling	IA	J480
Quet results for Aranelle	IA	J480
Musshwhite delayed	MW	J497
Chen to buy Al claims	IA	J500
Funding talks for Frasergold project	IA	J501

GOLD SOUTH AFRICA

R.S.A. gold output	IA	J087
South African gold decline	IA	J388
Beatrix expansion proposal	IA	J462

GOLD U.S.A.

Further gold at Matthews	IA	J004
Lease	IA	J004
Nevada Goldfields' encouragement	IA	J004
Port Knox opens	IA	J006
Champagne debut	IA	J006
Europa stake in U.S. gold	IA	J025
properties	IA	J026
August start for Mineral Hill	IA	J026
Malartic's Congress plans	IA	J044
Rahway construction phase	IA	J065
Eastmaque Gold success	IA	J085
BIG leap at Bullfrog	MW	J082
Ashdown funding sought	IA	J084
Mother Lode go-ahead	IA	J085
Estes Mountain	IA	J105
Yellow Jacket venture	IA	J105
Alta Gold high	IA	J106
Pegasus farms into Ortiz	IA	J125
gold	IA	J125
Quartz Mountain study	IA	J125
positive	IA	J125
Port Knox drilling continues	IA	J125
Talapaosa reentry	IA	J127
Bar's Hill under construction	IA	J127
New partner for Eastmaque	IA	J129
Canyon/Minex go west	IA	J148
New partner for Zaca?	IA	J148
Goldfield study positive	IA	J149
Kingston mine on standby	IA	J151
BIG gold loan	MW	J167
USM/Amerigo joint venture	IA	J168
Palomar projects	IA	J169
Wind Mountains commercial	IA	J169
Homestake mine spreads	IA	J170
Santa Fe loan	IA	J184
Mineral Hill dedication	IA	J186
Suchokra assessment	IA	J208
continues	IA	J208
XX agreement with Bow Valley	IA	J228
Mother Lode acquisition	IA	J248
Sierra resource expansion	IA	J248
Antelope Creek interest for Scintillone/Trio	IA	J248
Gold King/Icona partnership	IA	J249
American Girl project formal	IA	J249
Mother Lode mine construction	IA	J277

Hycroft expands Nevada holdings	IA	J300
Hayden Hill decision	IA	J301
Ropes: indefinite shutdown	IA	J301
Mineral Hill dedicated	IA	J303
Atlas Corp.'s programme	IA	J303
LAC's BIG break	MW	J321
Cambiar farms into Crown properties	IA	J324
Montana/Nevada projects for Island Gold	IA	J324
Rock Creek Ranch restructuring	IA	J324
Bullion-Monarch drilling	IA	J344
Permits for Yellow Aster	IA	J344
Republic gold mine shaft hoists 2 Mos gold	P	M246
Carlin Trend Gold Belt: the geology	A	M256
Carlin Trend Gold Belt: the producers	A	M263
Goldstrike mine	A	M269
Newmont's mines and mills along the Carlin Trend	A	M279
Oro Cruz purchase for Eastmaque	IA	J381
Gwalia group moves ahead	IA	J384
Kendall mine expansion	IA	J398
High River Gold: Snow Lake mine	IA	J404
Comet mine	IA	J404
Glit Edge returns to full output	IA	J409
First season at Cache Creek	IA	J409
Purple Vein results for Barrick	IA	J424
Athens/Placer Dome venture island/Begerstrom joint venture	IA	J424
Mining agreements for MK	IA	J425
The Ridgeway mine, a low cost producer	P	M350
Coral banks on potential	MW	J439
Carlin claims for Alban	IA	J441
Fairbanks takes stock	IA	J460
Republic programme for Hecla	IA	J480
New find extends Marigold mine	IA	J482
Noranda farms into Empire project	IA	J496
Cortez extension	MW	J498
Resumption at Ropes gold mine?	IA	J501

GOLD OTHER

Bulls hold back	MW	J003
Chinese gold	IA	J003
France's Bourneix gold	MW	J028
revival	IA	J028
Gold in Uruguay	IA	J025
Los Lilenes progress	IA	J025
Cogema seeks Zambian gold	IA	J025
Leucourt-Billiton agreement	IA	J026
Brazilian gold	IA	J026
London Gold Libor	S	J033
Chinese gold record	IA	J048
La Colpa go-ahead	MW	J061
Chinese gold	MW	J061
Gold project for CMP	IA	J064
Thailand seeks bids	IA	J064
Gold plans in Iraq	IA	J084
Porgera construction starts	IA	J084
Gold survey to continue	S	J095
Bullion coin for Austria	S	J095
Mt Muro study completed	IA	J105
Lihir study awaited	IA	J105
Siberia island results	IA	J105
Falconbridge in Dominican Republic	IA	J125
Andacollo venture for Chevron/Dayton	IA	J106
Gold's evolution continues	MW	J148
Asamang gold mining lease	IA	J148
Pepa work for Bridger/Segec	IA	J149
Choculimpie success	IA	J151
Bourneix - Cogema's expanding gold operation	P	M089
Wester demand hits gold	S	J174
Bokris results for Cluff	IA	J185
Indonesia tackles illegal miners	IA	J186
Gold mining licence in Ecuador	IA	J208
Reven		
Revenia tailings plant due	IA	J229
Bullion dips on dollar strength	S	J237
Official gold reserves	IA	J250
Choculimpie - Australia's new gold mine	P	M166
New dredge for Peruvian gold	P	M186
Choculimpie prospect	IA	J277
Expansion plans for Sao Francisco	IA	J279
Qmai reserve approved	IA	J280
Madagascar lifts gold control	IA	J303
Guyana's quest for Golden Star	IA	J324
Output improves at Ashtati	IA	J327
Gold's new path	MW	J342
CVRD's gold strategy	MW	J342
NiKK's gold strategy	MW	J342
Laurent work continues	IA	J344
Indonesia's gold strategy	MW	J344
The gold scene in Indonesia	N	J348
Biotechnology	A	M301
Gold progress	MW	J374
Bally for gold	S	J375
Refugio programme for Boma	IA	J384
Paragon in the Philippines	IA	J384

Navachab mine gearing up IA J407
 Crissal: first gold IA J407
 Golden sentiment S J414
 Gold breaks back NW J421
 Gold ranking NW J422
 Kerimeng drilling IA J424
 Loch Tay financing IA J424
 ROC interest in Malesbitan IA J425
 Drop in Taiwan gold import IA J430
 Gold in Tyndrum P M353
 Increasing merit at Cononish IA J441
 Gold mine in Beijing IA J441
 Gold takes stock S J448
 Taiwan's gold imports surge S J448
 Tanzania gold study NW J458
 Avocet round-up IA J460
 Focus on Concessara for Gwalia IA J460
 Turkish gold imports IA J462
 Gold loses confidence S J469
 Hamibian gold NW J478
 Golden spur NW J479
 Swedish search for Cuban gold IA J480
 Nicaraguan gold rise IA J481
 New Year's metals outlook NW J499
 Andacollo results examined IA J500
 Japanese gold find IA J500
 Progress at Mahdia IA J500
 Cluff outlines Bokitai resource IA J500
 Gold uncertain S J511

GRAPHITE

Graphite venture for Gwalia IA J108
 Graphite's strategic position S J157
 Kolongah mines set ablaze IA J481

ILMENITE

The sands of Cooljarloo P M006
 Congolone gets the go-ahead NW J357

INDIUM

Zietov to produce indium IA J065
 Minor metals quiet S J115
 Minor metals revive S J219
 Minor metals S J315
 Minor metals trading in November S J469

IODINE

Chilean iodine project for Spanish bank IA J149
 Yolanda investigation IA J228

IRON & STEEL

CSN rescue NW J021
 Kiruna plans ahead NW J023
 Cuban expansions IA J026
 Robe pellet plant recommencing? IA J045
 U.S. to extend steel import quotas S J075
 Lamco calls iron ore halt in Liberia NW J082
 Hungary abandons plans NW J083
 Latin American steel record S J095
 Indian iron S J114
 Wawa closure for Algoma IA J129
 Expansion at Mongolian iron ore plant IA J169
 Mexican steel paralysed IA J170
 Venezuelan contract for Davy IA J209
 Libyan inauguration IA J229
 Brazil's iron ore exports up IA J230
 W.A. iron ore to Romania IA J230
 Iron ore pellet project for Bbcoc/Tarmac IA J249
 UNCTAD on iron ore IA J327
 OECD steel survey S J335
 Liberian re-arrangement IA J345
 Iron and steel in Hungary IA J350
 Bulgarian iron ore policy IA J363
 Uctad on iron ore S J375
 Australian optimism S J375
 Vampi life line IA J409
 Iron ore recovery S J414
 Southdown litigation resolved IA J424
 Long term contract for India's Kudremukh IA J443
 Kudremukh expansion IA J443
 Ferro-alloys warning S J448
 Thai steel project IA J481
 Activities in Albania IA J481
 Indian investment in iron and steel IA J482
 Qatar's iron and steel IA J502
 Iron and steel in Yugoslavia IA J502
 Latin American steel output S J511

LEAD

ILZSG data show mine output declining S J033
 North Korean plans IA J045
 Curragh declares force majeure IA J066
 Lead doubts S J074
 LME retains sterling contracts S J075
 Lead has its day S J114
 New high for lead S J175
 Extended maintenance work for Nuova Samin IA J186

Base metals off the boil S J194
 Van Stone option for Equinox IA J228
 Lead sails in S J236
 Temporary solution at Trepan IA J279
 Mixed outlook for base metals S J287
 Lead in balance in 1990? S J351
 Mixed signals on the LME S J374
 Base metals stumble S J393
 More stability? S J431
 Output boost at Bunker Hill IA J443
 Socorex resumption mooted IA J461
 New Year's metals outlook NW J499
 Lead squeeze eases S J511

LITHIUM

Lithium project in Bolivia IA J384

MAGNESIUM

Queensland Magnesia go-ahead NW J341
 Canadian overruns for Norsk Hydro IA J425

MANGANESE

Amazon ferromanganese plant IA J006
 Minor metals subdued S J012
 Pilbara manganese IA J026
 Minor metals quiet S J115
 BRP manganese output resumes IA J211
 Manganese - supply pattern shifts S J335

MERCURY

Minor metals subdued S J012
 Minor metals quiet S J115
 Minor metals revive S J219
 Minor metals quiet S J392
 Minor metals trading in November S J468

MICA

Mica/graphite project in Brazil IA J325

MOLYBDENUM

Cyprus lowers moly price S J034
 Molybdenum oversupply S J432
 Cyprus shut-down NW J477

NICKEL

Cuba's nickel target NW J003
 Hispaniola update NW J022
 Lac St. Jean property for Chebar IA J044
 New Caledonian nickel output IA J046
 Centenary of nickel carbonyl discovery P M010
 Aneka Tambang ups ferronickel IA J086
 McNickel project funding IA J105
 Outokumpu in Kola talks IA J149
 Base metals off the boil S J194
 Base metals shrug off stocks increase S J219
 Nickel boom over? S J236
 McNickel earns interest IA J276
 Nickel contract in good use S J287
 Mixed outlook for base metals S J287
 Mt. Keith activity for ACM IA J361
 Radio Hill programme IA J361
 Base metals stumble S J393
 Outokumpu in ACM nickel deal NW J401
 Base metals lurch lower S J431
 Crean Hill, Ontario, Inco's all-electric mine A M406
 Ferro-alloys warning S J448
 Inco Correction S J449
 New nickel mine for Inco NW J457
 Soviet stance on nickel S J469
 Nickel under control N J487
 New Year's metals outlook NW J499
 Drill reserves at Lac St. Jean IA J500
 Lateritic nickel at Tagaung Taung P M484

PALLADIUM

Palladium whinge S J013
 Soviet blast lifts palladium S J432

PERLITE

Perlite mining in Hungary A M498

PHOSPHATE

China's industrial minerals IA J005
 Tunisian phosphate loan IA J046
 Phosphate rock - room for optimism N J049
 Phosphate terminal in Syria IA J065
 Islamic loan for Jordan IA J106
 Nigerian phosphate discovery IA J208
 Second stage for Guichou phosphate IA J210

Jordanian phosphates to U.S.S.R. IA J230
 Cambodian phosphates IA J279
 WB/ADB loans for Gafsa IA J327
 Possible loan to Jordan IA J407
 Syria loan for Yogo IA J430

PLATINUM

W.A. platinum prospects IA J025
 Platinum follows suit S J175
 Rand Mines produces first platinum NW J205
 Pantan Sill platinum quest IA J208
 Rustenburg modifies platinum plan NW J245
 Molopo outlines Botswana work IA J276
 Platinum find in Oman IA J300
 Southwits progress at Platreef IA J324
 Precious metals on the move S J393
 Hartley assessment for Delta IA J461
 Platinum slowdown at Rustenburg IA J462
 New Year's metals outlook NW J499
 Fifield farm-in for Titan IA J500

POTASH

Soviet potash to India IA J027
 Amelle potash mine A M026
 Pidinga assessment IA J148
 Egyptian potassium agreement IA J209
 100 years of potash and salt N J311
 New Chinese potash on stream IA J425
 Soviet potash for MWTC IA J481

RARE EARTHS

Increased resource at Mount Weld IA J084
 Magnetite project rare earths S J335
 Mt. Weld upgraded IA J361
 Rare earths breakthrough NW J402

RHODIUM

New peak for rhodium S J449
 Supply problems spur rhodium S J469
 Rhodium's spiral S J489

RUTILE

Rotifunk rutile project, Sierra Leone P M009
 Benson's rutile plans IA J301
 Bangladesh reviews mineral sands IA J303
 Mineral sands boost for Australia IA J350
 Beunup Sands progressing IA J460

SILICON

Barrack to double silicon capacity IA J085
 Silicon project commissioning for Barrack IA J481

SILVER

Huata lose silver appeal S J075
 Reserve potential at Cerro Rico de Potosi IA J094
 Silver shadow S J135
 London fix criticized S J135
 Tokyo closure for Penoles IA J229
 Pachuca sale effort IA J230
 Japan's silver issue S J237
 Chocaya - a future? IA J276
 Chinese silver discovery IA J276
 Sanatosum grand opening IA J279
 Sanatosum on stream IA J325
 Japan's silver imports surge S J353
 Peru offers silver bonus S J353
 Peruvian delay NW J439
 New Year's metals outlook NW J499

STRONTIUM

Mexican strontium IA J350

SULPHUR

Poland's sulphur exports IA J066
 Iran's sulphur exports IA J443

TANTALUM

Tantalum tease S J095
 Revival for Thai Tantalum? IA J248
 Mozambique: tantalite and titanium IA J480

TIN

No squeeze on LME tin S J013
 Malaysian tin output dips IA J027
 Tin lacks incentive S J053
 Tin settlement doubts S J074
 Tin junction NW J101

China's copper shortfall and tin expansion S J114
 Tin totters S J134
 Settlement hopes S J134
 Kooesive for tin S J156
 Further boost for Bolivian mining NW J167
 Base metals off the boil S J194
 Tin: new Thai proposal S J219
 Malaysia woes Brazil S J219
 Tin: payment in kind? S J237
 Brazilian stance S J237
 Tin Council S J284
 Tin lacks vital statistics NW J274
 New tin smelter for Billiton IA J303
 Tin export controls extended NW J321
 Ardlethale sale? IA J325
 Base metals resilient S J333
 ATPC quotas - Indonesia stakes its claim S J355
 Tin creditors lose their appeal S J374
 Out of court settlement imminent S J374
 Prompt delivery N J391
 Tin's new low S J414
 Tin staggers S J469

TITANIUM

Minor metals subdued S J012
 Mineral sands project for Anglo American IA J084
 Tradita agreement for IAM Titanium sponge plans for CVRD IA J085
 Minor metals quiet S J115
 U.S.-A. titanium protest IA J229
 Titanium dioxide capacity surge S J264
 South African moot points IA J364
 Minor metals quiet S J382
 Mineral sands in Denmark IA J404
 TiO₂ plant for Kroon IA J425
 QIT-Per expansion programme IA J443
 Minor metals trading in November S J468
 Du Pont's titanium expansion NW J478

TUNGSTEN

Panasqueira: ten years on P M086
 China's processed tungsten exports surge S J264
 Tungsten headache S J415

URANIUM

End of the year high for ERA IA J067
 Uranium collapse in U.S.A. NW J102
 Cameco uranium for Japan IA J129
 Uranium venture in Brazil IA J168
 Doubtful future for Taylor IA J170
 UZBIA IA J170
 Australia reviews uranium pricing policy NW J184
 Kiggavik looks ahead NW J206
 UO₂ mines to close IA J209
 Crow Butte threatened IA J249
 Uranium financing NW J275
 Uranium: an uncertain market NW J330
 Standby for Freeport Uranium IA J345
 Low prices hit uranium exploration NW J359
 Czechs speed up uranium mining IA J363
 U.S. nuclear debate NW J477
 Brazilian wary to ship uranium IA J501

VANADIUM

Wagoo Hills trenching IA J105
 Sighfield vanadium cut S J314
 Chinese vanadium output IA J425

WOLLASTONITE

Wollastonite find for Sikama IA J344

ZEOLITE

Zeolite news IA J482

ZINC

ILZSG data show line output declining S J033
 Asturiana force majeure IA J046
 Chinese zinc, lead output IA J046
 El Mocho to revival NW J083
 Chesway framework IA J086
 Asturiana resumes output IA J086
 Funds for Asquith's SB IA J125
 Claims IA J127
 Ward Mountain update IA J148
 Latest drill results from Grevet M A M102
 Becoite mine A M102
 Zinc marks time S J175
 Base metals off the boil S J194
 Base metals shrug off stocks increase S J219
 LME contract moves S J219
 Glencor's Tara extension IA J228
 Bolivian zinc IA J230
 Conroy awards Galspy study IA J276

Quet work for Aranelle IA J344
 Kimberlites in Canada IA J344
 Good start for Murray Brook IA J345
 Quebec analysis IA J350
 Goldboro country H M253
 New gold at Casalar H M253
 Pond appraisal H M253
 Casa Berardi venture for Total Esnergold IA J361
 Casa Berardi Cuest ahead of schedule IA J363
 Northgate family MW J381
 Funds for Canadian Prospectors IA J384
 Sub-atomics research underground MW J403
 Sulph reserves mined IA J404
 Great Western Star drilling IA J404
 Preview Lake study planned IA J404
 Betts Cove encouragement IA J404
 Coal pipeline project IA J407
 Caribou reappraisal IA J409
 Canadian overruns for Norsk Hydro IA J425
 Laterite preparations IA J425
 BHP/Elkem's ferro-alloys venture IA J425
 Golden Giant's quarter Canadian mining E M349
 Exploration Incentive Program P M350
 Cathedral Gold: new discovery H M360
 Mishibishu update H M360
 Skyline Gold's Johnny Mountain A M370
 Canadian surface mining technology A M374
 Exploration update A M383
 Expansion at the Joe Mann mine A M387
 Alimak Narrow Vein mining at the Dome mine A M393
 Inco's SO₂ abatement project A M398
 Colomac gold mine A M400
 Crown Hill, Ontario: Inco's all-electric mine A M406
 Asbestos A M411
 Haisborough: successful for narrow-vein Macassa mine A M418
 Canadian mining equipment and expertise for the world A M429
 Computing in Canadian exploration IA M460
 Nor-Acne study continues IA M440
 Budget approved for Hyland claims IA M440
 Magino area drilling IA M440
 Bronson Creek results for Cathedral IA M440
 Golden on Orolico property IA M440
 Mubrun update IA M440
 Grevel M results for VSM/Essex IA M441
 Estrades study completed IA M441
 QIT-Per expansion programme IA M443
 Caribou involvement for Breakwater IA M443
 Montauban bells toll IA M443
 Hope Brook overview IA M462
 Chester Township drilling IA M460
 Quet results for Aranelle IA M480
 New programmes for Bitech IA M480
 Muschelwhite delayed MW J497
 Chemt to buy Al claims IA J500
 Drill reserves at Lac St Jean IA J500
 Funding talks for Frasergold project IA J501
 Bethlehem update IA J501
 Obed Mountain divestment IA J503
 Snowbird - North Zone H M488
 Red Mountain gold H M488
 Interest in Lac St Jean H M489

CENTRAL AFRICAN

REPUBLIC
 C.A.R. diamond search IA J025
 C.A.R. diamond search H M094

CHILE

Escondida ahead of schedule IA J008
 Chile's mines face energy shortage IA J007
 Codeco agreement/disagreement IA J007
 La Coipa go-ahead MW J081
 Andacollo venture for Chevron/Datton IA J125
 Expansion at Los Bronces IA J127
 Candelaria work for Phelps Dodge IA J148
 Chilean iodine project for Spanish firm IA J149
 Pepsa work for Bridger/Segex IA J151
 Choquelimpie success IA J151
 Escondida ahead of schedule H M097
 Chilean strike vote IA J170
 Quebrada Blanca licence for Cominac group IA J209
 Cominac investment IA J210
 Yolanda investigation IA J228
 Codeco strike ends IA J230
 Latin American mining show, Santiago, Chile, May 1990 W J231
 Teniente landslide IA J249
 Debt management Chilean style W J252

Chile - maintaining pole position N J280
 Intention of El Indio November resumption for Teniente IA J327
 Chile's copper exports up IA J327
 Dayton buys gold mine H M254
 Choquelimpie surging H M254
 Outokumpu copper contract IA J361
 El Toqui reserve expansion IA J363
 Linco approval awaited MW J382
 Chile heats up IA J384
 Outokumpu bid for Zaldivar IA J384
 Refugio programme for Dema Las Condes works for Mendes IA J388
 Disputada strike averted IA J388
 Chilean expectations MW J403
 Chilean delivery IA J424
 Zaldivar confirmed IA J440
 Refugio encouragement IA J440
 Andacollo drilling continues N J447
 Treading warily IA J461
 Escondida ahead of schedule IA J500
 Andacollo results examined IA J500

CHINA

Chinese accidents MW J001
 China's industrial minerals IA J005
 Chinese gold IA J006
 China's non-ferrous metals shortage spurs exploration IA J025
 Jiangsu's Dongting China import probe IA J045
 Major Al plant for China IA J045
 Chinese gold record IA J046
 Chinese sinc. load output MW J061
 Chinese gold MW J062
 China coal forecast MW J145
 Chinese accidents IA J210
 Second stage for Guizhou phosphate IA J250
 New coal mine in Jilin S J264
 More mines in China H M179
 Chinese silver discovery IA J276
 Iranian/Chinese mining agreement IA J303
 China cancels Japanese purchase IA J303
 Chinese overview IA J345
 China's biggest yet H M254
 Sino coal invitation IA J363
 Jiangxi copper output IA J363
 Chinese drill bits IA J384
 Chinese vanadium output IA J425
 New Chinese potash on stream IA J425
 New coal mine in China IA J441
 Gold mine in Beijing IA J462
 Chinese pipelines IA J502
 Wenan's coal rise IA J502
 Conveyor Belt in China H M490

COLOMBIA

EDC financing for Colombian sales IA J327

CONGO

Socorem resumption mooted IA J461

COSTA RICA

Costa Rican royalty H M019
 Rio Chiquito reassessment H M097
 Quinox in Costa Rica H M365
 Higher grades for Greenstone H M490

CUBA

Cuba's nickel target MW J003
 Cuban expansions IA J028
 Bulgarian-Cuban agreement IA J430
 Cuban investigations IA J441
 Swedish search for Cuban gold IA J480
 Zeolite news IA J482

CZECHOSLOVAKIA

Czechs speed up uranium mining IA J363

DENMARK

Mineral sands in Denmark IA J404

DOMINICAN REPUBLIC

Hispaniola update MW J023
 Falconbridge in Dominican Republic IA J106
 Dominican update MW J479

ECUADOR

Gold mining licence in Ecuador IA J208

EGYPT

Egyptian potassium agreement IA J209

EIRE

MIN moves in Kenmare's progress H M015
 Glencair's Tara extension MW J123
 Conroy awards Galmoy study IA J278
 Coninco joins Enxas in Ireland IA J278
 RTZ interest in Irish gold IA J300
 Glencair drilling H M365
 Irish venture starts IA J441
 Irish contract mining IA J482
 Celtic JV with RTZ H M488
 Kilborn at Galmoy H M488

FINLAND

Closure at Keretiti H M015
 Pyhasalmi concentrator A M040
 Outokumpu reorganizes MW J235
 Sastipora - Finland's new gold mine P M166
 Harjavalta works back on stream IA J365
 Kola bare N J373
 Lapland shelf MW J438
 Finnish emerald IA J440
 Finnish copper for Outokumpu IA J441
 Nokia's Soviet joint venture IA J441
 A history of Outokumpu IA J503

FRANCE

French gold search for Inco IA J005
 France's Bourneix gold MW J023
 Amelle potash mine A M026
 Cheasy framework IA J085
 Bourneix - Cogema's expanding gold P M089
 Inco searches for gold in France H M094
 Rhone-Poulenc's chemical MW J235
 French search IA J248
 Chesay option for Antec H M173
 Chesay approval MW J297
 Pechiney gains power approval H M366
 Astec French interests H M366

GABON

Gabon mining inventory H M493

GERMANY (EAST)

Agreement with G.D.R. G.D.R.-Mozambique co-operation IA J209
 IA J430

GERMANY (WEST)

Preussag in German merger talks MW J273
 50 years of Demag MW J358
 Ruhr-Zink expands IA J409
 Mining history congress, Bochum P M356

GHANA

Huwood wins Ghanaian order MW J006
 Ghana's next best friend MW J103
 Asamang gold mining lease IA J148
 EIB loan for Ghana H M094
 Bokitel results for Cluff IA J185
 Output improves at Ashanti IA J327
 Dana trials in Ghana H M253
 Results from Bokitel H M253
 Ghana's small-scale mining law H M366
 Cluff outlines Bokitel resource IA J500

GREECE

Greek gold from Olympus H M014

GREENLAND

West Greenland sediment survey IA J004

GUINEA

Moroccan-Guinean protocol IA J460

GUYANA

Omai reserve upgrade IA J300
 Guyanese option for Golden Star IA J324
 Golden Star at Omai IA J500
 Progress at Bahdia IA J500
 Golden Star in Guyana H M480

HAITI

Copper-gold deposits open for development in Haiti P M007

HUNGARY

Hungarian energy difficulties IA J027
 Hungary abandons plans MW J083
 Hungarian mine collapse IA J087
 Hungarian mine closures IA J107
 Western interest in Hungary IA J151
 Hungarian energy H M094
 difficulties IA J209
 Mecsek coal pact IA J209
 Ugo mines to close S J314
 Wolf in Hungary MW J343
 Eastern energy crisis IA J350
 Iron and steel in Hungary H M255
 Interest in Hungary H M365
 Hungarian coal IA J462
 Hungary upgrades Al plant IA J463
 Mecsek update IA J463
 Perlite mining in Hungary A M498

INDIA

Soviet potash to India IA J027
 Channalia project for SAIL IA J085
 Mines restoration IA J087
 Indian team to Iran MW J103
 Indian coal IA J127
 Haveli lignite search IA J129
 Bharat coal accident IA J129
 SAIL/U.S.S.R. co-operation IA J129
 Foreign miners in India? H M097
 Ammonia to India IA J311
 Orissa mining project to be delayed IA J349
 Aluminium response IA J349
 India invites foreign exploration H M177
 CDF in India IA J385
 White Industries bid IA J385
 Indian miners trapped IA J430
 Channalia reopened H M360
 SAIL's plans IA J443
 Long term contract for India's Kudremukh IA J443
 Kudremukh expansion IA J443
 Prospecting in Ladakh IA J481
 Soviet potash for MUTC IA J481
 New mine in India's Eastern Coalfields IA J481
 Indian investment in iron and steel IA J482

INDONESIA

Graaberg on target MW J041
 Outlining Busang MW J017
 Aneka Tambang ups ferroalloy IA J086
 Mt Moro study completed IA J105
 Lerokis decision for Billiton IA J169
 Kallim claims settled H M097
 The hospital at Tembagapura A M139
 Kaltim Prima Coal contract IA J169
 Freeport/Indonesia in merger talks IA J188
 Indonesia tackles illegal miners IA J188
 More contracts from Kaltim Prime IA J229
 Iron ore pellet project for Babcock/Tarmac IA J249
 Upgrade at Melawi JV H M177
 The gold scene in Indonesia H J348
 Lerokis to be launched H M254
 Java step up H M254
 Freeport contract for Fluor Daniel IA J384
 Indonesian iron ore terminal H M363
 Pinang mining contract H M363
 Record output from Ombilia mine IA J482
 Indonesian plans MW J488

IRAN

Gold plans in Iran IA J084
 Indian team to Iran IA J087
 Mines investment for Iran IA J311
 Ammonia to India IA J311
 Iranian/Chinese mining agreement IA J303
 Tanzania/Iran co-operation H M254
 Iranian-Bangladesh exchange IA J430
 Iran's sulphur exports IA J443

IRAQ

Zambian copper for Iraq IA J046

ITALY

Extended maintenance work for Nuova Sania IA J188
 Illegal assistance MW J488

IVORY COAST

Ity gold in Ivory Coast IA J348

JAMAICA

Jamaican bauxite and alumina IA J107

JAPAN

Japanese interim report	S	J094
Cameco uranium for Japan	IA	J129
Non-ferrous metals - Japan's recipe	N	J172
China cancels Japanese purchase	IA	J303
Japanese interest in Texas smelter	IA	J325
Nikkei gold	IA	J342
Oldest colliery in Japan closes	IA	J365
Japanese smelter records	IA	J402
Japanese potential	IA	J437
Japanese gold find	IA	J500
NZ-Japanese slag deal	N	M490

JORDAN

Islamic loan for Jordan	IA	J106
Jordanian phosphates to U.S.S.R.	IA	J230
Possible loan to Jordan	IA	J407

KENYA

Second Au/U project - Kenya	N	M493
-----------------------------	---	------

KOREA (NORTH)

North Korean plans	IA	J045
P.D.R.K. loan for Kilembe Cu	IA	J046
Mineral prospects in D.P.R.K.	IA	J361
Chongchon River coal in D.P.R.K.	IA	J482

KOREA (SOUTH)

South Korea invests in deep sea mining	IA	J027
South Korea invests in deep sea mining	N	M097
South Korea fire	IA	J230
Hyundai involvement	IA	J385
R.O.K. accident statistics	IA	J386
Korean Pacific investment	N	M363

LAOS

Laos funding	IA	J482
--------------	----	------

LIBERIA

Lanco calls iron ore halt in Liberia	NW	J082
Liberian re-arrangement	IA	J345

LIBYA

Libya's realism	N	J191
-----------------	---	------

MADAGASCAR

Madagascar lifts gold control	IA	J393
-------------------------------	----	------

MALAYSIA

Malaysian tin output dips	IA	J027
Avocat round-up	IA	J460

MEXICO

Du Pont modernization	IA	J045
Mexican concentrates for Magna	IA	J046
Cananea declared bankrupt	NW	J145
Mexican steel paralysed	IA	J170
Bankruptcy backfires	NW	J182
Cananea arbitration	IA	J211
Topia closure for Penoles	IA	J229
Pachuca sale effort	IA	J230
Mexico's dilemma	N	J233
Contracts from Mexico	N	M175
Cananea accord	NW	J321
Mexican/U.S. contracts for PAN	IA	J325
Confirmation of Cananea pact	IA	J345
Mexican atomium	IA	J350
Mexican drilling by Japanese	IA	J424

MONGOLIA

Mongolian mineral project	N	M017
Expansion at Mongolian iron ore plant	IA	J169
Mongolian fluorospar	IA	J363
Mongolian mineral law	IA	J430
Landmark at Erdenet	IA	J463

MOROCCO

Moroccan-Guinean protocol	IA	J460
---------------------------	----	------

MOZAMBIQUE

Congolone gets the go-ahead	NW	J357
G.D.R.-Mozambique co-operation	IA	J430
Mozambique: tantalite and titanium	IA	J480

MYANMAR (BURMA)

Burmese contract for Yagolava	IA	J209
Lateritic nickel at Tagaung Taung	P	M494

NAMIBIA

De Beers - adjoining assets	N	J092
Namibian return	NW	J226
Dewatering Kombot	N	M179
Namachab mine gearing up	IA	J407
Namibian gold	NW	J478
Safety award for Rossing	IA	J481
Namibian diamonds	A	M494

NEW ZEALAND

Trading agreement for IAM	IA	J064
New Zealand slow-down	IA	J250
Island Rock imminent	N	M255

NICARAGUA

Nicaraguan gold rise	IA	J481
----------------------	----	------

NIGERIA

Nigerian phosphate discovery	IA	J208
------------------------------	----	------

NORWAY

Elkem cuts ferro output	IA	J482
-------------------------	----	------

OMAN

Platinum find in Oman	IA	J300
Omani coal study	IA	J462

PACIFIC ISLANDS

New Caledonian nickel output	IA	J046
------------------------------	----	------

PAKISTAN

Pakistani coalfield	IA	J407
Geotech lab in Pakistan	IA	J481
Mineral exploration in Pakistan	N	M490

PAPUA NEW GUINEA

Lihir report	N	M017
Porgera construction starts	IA	J084
Lihir study awaited	IA	J105
Simberi Island results	IA	J105
Resin to close Vau	NW	J146
Misima officially opened	N	M099
Bougainville breakdown	NW	J182
Progression at Porgera	N	M173
Ok Tedi dilemma	NW	J298
P.N.G. unrest	NW	J358
NW outlines P.N.G. float	NW	J381
Kerimenge drilling	IA	J424

PERU

Centromin strike call	IA	J007
Military measures for Peruvian mines	IA	J027
Trouble escalates in Peru	NW	J041
New Peruvian dredge	IA	J045
Peru attacks	NW	J083
Peruvian miners' strike	NW	J122
Mining electricity in Peru	IA	J127
Milpo workers return	IA	J129
Peruvian strike continues	IA	J131
Peruvian strike wanes	IA	J170
Peru strike ends	IA	J186
Peruvian bonus	NW	J247
New dredge for Peruvian gold prospect	P	M166
Peruvian shuffle	NW	J274
Minero Peru's tenders fail	IA	J345
Bombing at La Oroya	IA	J386
Cajamarquilla disruption	IA	J430
Peruvian delay	NW	J439
Minero Peru in talks	IA	J443
Strike ends at Minero Peru	IA	J503

PHILIPPINES

Atlas typhoon damage	IA	J007
Carmen mill expansion	IA	J026
Nonoc see-saw	NW	J063
Antesco confirmed	NW	J077
Pacific prospects	NW	J147
Carmen mill expansion	N	M097
Bombing at La Oroya	IA	J386
Philippines Cu-Ag project	IA	J324
PASAR expansion	NW	J341
Cultus signs Philippine venture	IA	J384
Paragon in the Philippines	IA	J385
NOC interest in Nalobitan	IA	J425
U.N. in Philippines chromite project	IA	J480
What so Nonoc?	NW	J514

POLAND

Poland's sulphur exports	IA	J066
--------------------------	----	------

Great expectations	N	J155
Items from Bulgaria/Poland/Albania	IA	J210
Polish mines seek independence	IA	J250
Polish scoop for Canadian miner	NW	J323
Eastern energy crisis	NW	J342
Rock stability problems in Polish coal mines	P	M251
Polish miners not impressed	IA	J409
Oil and coal imports necessary?	P	M355

PORTUGAL

The Iberian pyrite belt	NW	J002
Panasqueira: ten years on	P	M066
Neves Corvo	A	M184
Coal in Portugal	NW	J298

QATAR

Qatar's iron and steel	IA	J502
------------------------	----	------

ROMANIA

Romania plans to broaden energy mix	P	M007
W.A. iron ore to Romania	IA	J230
Romanian lignite and brown coal	IA	J363
Romania: electricity generation	IA	J443

SAUDI ARABIA

Saudi smelter stake for AlumiX	IA	J127
Saudi contract	IA	J148
Bauxite in Saudi Arabia	IA	J481

SIERRA LEONE

Rotifunk rutile project, Sierra Leone	P	M009
---------------------------------------	---	------

SOUTH AFRICA

R.S.A. settlement	IA	J027
Mineral sands project for Anglo American	IA	J064
Plans for Purify chrome mine	IA	J065
South African gold accident	IA	J066
South African mine flood	IA	J066
Gencor adds to stream of accidents	IA	J086
R.S.A. gold output	IA	J087
Uranium collapse in R.S.A.	NW	J102
South African restrictions	NW	J103
R.S.A. rockbursts	NW	J121
Durban deep review	NW	J166
Highveld talks stymied	IA	J170
QSA's extra capital	NW	J181
S. African poll protest	NW	J184
"Mandate for reform"	N	J217
R.S.A.'s titanium protest	IA	J229
RSA privatization	NW	J246
Namaqualand sands	N	M179
Purity to open next year	N	M179
Antimony strike	NW	J273
South Africa's monster train	IA	J279
Record bored shaft	NW	J298
Mixed spirits in South Africa	MP	J318
SouthWits progress at Platreef	IA	J324
Chrome and gold values	IA	J324
Mediation halts strike at De Beers	IA	J325
Accident at Lonrho mine	IA	J327
De Beers' strike off	NW	J341
Slow train	IA	J345
Kloof cage accident	IA	J350
South Africa counts cost of capital punishment	MP	J353
Agreement at Cons. Murchison	IA	J365
South African moot points	IA	J384
Dewkrans rockfall	IA	J385
South African gold decline	IA	J386
Impala finalizes Messina	NW	J401
De Beers development	NW	J457
Gencor's new mine	NW	J457
Beatrix expansion proposal	IA	J462
South African accidents	IA	J482
SouthWits exploration	N	M493

SPAIN

The Iberian pyrite belt	NW	J002
Spanish Cu-Ag deposit	IA	J025
Asturiana force majeure	IA	J046
Asturiana resumes output	IA	J086
Spanish Cu-Ag deposit	N	M094
Recita mine	A	M102
European energy	NW	J166
Hunosa investigation	IA	J279
Hunosa restructuring	IA	J279
Spain fights for domestic power base	MP	J338
Spanish problems	IA	J365
Spanish coal plans	NW	J401
Machinery on show in Spain	N	J410
Bullion loan for RTM	NW	J439
Spanish coal problems	IA	J503

SRI LANKA

Sri Lanka prohibits sand mining	IA	J007
Sri Lanka steady	NW	J246
Kologaha mines set ablaze	IA	J481
Sri Lanka soldiers on	NW	J516

SUDAN

Sudanese development	NW	J423
----------------------	----	------

SURINAM

Rebel attack in Surinam	IA	J327
Surinam problems continue	IA	J363
Suralco almost normal	IA	J430

SWEDEN

Kiruna plans ahead	NW	J023
Aitik expansion for Boliden	IA	J210
A Swedish major	N	J429
Swedish search for Cuban gold	IA	J480
Atlas Copco and Glasnost	N	M488

SWITZERLAND

New type mineralization in the Swiss Alps	A	M290
---	---	------

SYRIA

Phosphate terminal in Syria	IA	J065
-----------------------------	----	------

TAIWAN

Drop in Taiwan gold import	IA	J430
----------------------------	----	------

TANZANIA

Tanzanian items	IA	J211
Mineral resources	P	M248
development centre	N	M254
Tanzania/Iran co-operation	N	M254
Coal from Tanzania	N	M366
Tanzania gold study	NW	J458

THAILAND

Thailand seeks bids	IA	J064
CBA in Thailand	IA	J125
Revival for Thai Tantalum?	IA	J248
Thai steel project	IA	J481
Geosystems in Thailand	N	M490

TOGO

Symmin loan for Togo	IA	J430
----------------------	----	------

TUNISIA

Tunisian phosphate loan	IA	J046
Metalgesellschaft in Tunisia	IA	J168
WB/ADB loans for Gafsa	IA	J327

TURKEY

Turkish mediation	IA	J230
Lignite field in Turkey	IA	J300
Yugoslav ferrosilicon to Turkey	IA	J363
Eurogold progress	IA	J381
Turkish gold imports	IA	J462

UGANDA

P.D.R.K. loan for Kilembe Cu	IA	J046
Ugandan copper revival?	N	M094

U.K.

Medical insurance for mining	IA	J007
Anderson Strathclyde cuts	NW	J021
U.K. - NUM merger talks	IA	J027
Parys Mountain nears ore	IA	J044
British developments	IA	J046
Aberfan closure	NW	J063
Centenary of nickel carbonyl discovery	P	M010
Cornish cewa	N	M015
Hanson bid declared unconditional	NW	J101
Parys Mountain progress	IA	J108
DNPT deep test bore	IA	J107
Kent coal closure	IA	J131
Mining heritage	N	M063
Australian joint venture to develop Northern Ireland lignite	P	M091
British Coal restrictions	NW	J165
Scottish licence for Andean	IA	J185
U.K. - new coal projects	IA	J185
U.K. extractive companies	NW	J185
Bond sells Lonrho stake	NW	J203
Private U.K. encouragement	NW	J208
British Coal - the ultimate goal	N	J233
Llywernog mine historical	P	M171
A significant step at Parys	N	M175

Diamond drill at Irish salt mine M M088
New 4-in. sampling hammer for mineral exploration M M069
New rock drill feeder assembly from Boart M J152
New drill rig for Channel Tunnel M J171
Sample hammer success in U.S. gold mining project M J212
Groundwater drainage in Zambian mine expansion M J280
Raisebored hole completed in hard ground in Canadian mine M J280
Chinese drill bits IA J384
New drilling bit M J410
Reverse circulation hammer for high-quality chip sampling M J426
Canadian mining equipment and expertise for the world A M443
Exploration drilling in Greenland M J464

EDUCATION & TRAINING

Action needed E M003
Mining heritage E M085
Welsh Bronze Age history IA J211
Looking forward E M165
Llywernog mine historical site P M171
Grants to education IA J363
Natural resources - seasonal cheer N J484
Developments in Pollution Control IA J503
Applied Geophysics IA J503
Ore reserve estimation and mine planning on a microcomputer IA J503
National Trust sponsorship IA J503

ENERGY & POWER

SUPPLIES

Chile's mines face energy shortage IA J007
Hungarian energy difficulties IA J027
Romania plans to broaden energy mix P M007
New hydrodrive for mines E M198
European energy crisis M J342
New hydrodrive for mine waches M M329
U.K. energy conservation M J357
New range of all-mine mining transformers M J366
Deuts donates jubilee diesel to Ethiopia M J388
Crean Hill, Ontario: Inco's all-electric mine A M406
Romania: electricity generation IA J443
European research M J459
Geotech lab in Pakistan IA J481

ENVIRONMENTAL CONTROL

Sri Lanka prohibits sand mining IA J007
Clean air warning IA J007
A burning issue N J011
EIS study for Beartrack IA J044
Action needed E M003
Amazon challenge N J083
Copper Cliff abatement IA J107
U.S.: atomic waste clean-up IA J127
Brazilian effort IA J129
Asbestos action M J165
Tortoise reserve M J382
Inco's 302 abatement project A M398
Crean Hill, Ontario: Inco's all-electric mine A M406
Asbestos A M411
302 stack monitoring for copper smelters M J444
U.K. grant for land rehabilitation IA J502
1980s - a time of reconstruction N J507
Farewell, the 80s E M483

EQUIPMENT SUPPLIERS

Hydraulic drills A M048
Bergbau '89 postscript A M137
Nevs Corvo A M184
Manufacturers of fans and ancillaries A M319
Canadian mining equipment and expertise for the world A M429
Technology in mining A M502
Power Inc.'s coal mines forge ahead A M516

EXCAVATORS & LOADERS

Second new continuous miner for Cleveland Potash, U.K. M J009
Kinco scoop and heavy load carrier M J047
Updated Cat 623K scraper M J088

Continuous surface miner for U.S. coal mine M J212
Huge crawler dragline for Australian coal mine M J231
Canadian surface mining technology A M374
New face shovel for U.K. limestone quarry M J483
World's largest all-cast shovel dipper M J504
Updated Cat 623K scraper M M533

EXHIBITIONS & MEETINGS

Bulls hold back Minerals economics conference IA J048
International gold symposium IA J048
Deep Mining conference IA J046
Mineral potential of Bolivia IA J067
Remote sensing for exploration geology IA J067
Iron oxide materials Society for Mining, Metallurgy and Coal - the ultimate privatisation IA J067
Microcomputer orebody modelling IA J087
Asia-Pacific conference on computer applications in the minerals industry IA J087
Base metals symposium Bergbau '89 postscript A M137
Société de l'Industrie Minérale IA J186
Equipment, Machines, Instruments and Automation for the Coal Industry IA J230
Regional seminar on mining exploration and investment potential of W. Africa IA J230
Latin American mining show, Santiago, Chile, May, 1990 M J231
Institution of Mining and Metallurgy IA J250
Economic Guidelines for mineral exploration IA J250
Chrome from Detroit N J252
Bolivian Precambrian mineral potential M J343
Irish Minerals Industry - a review of the decade IA J350
ISOT 1990 IA J350
Explosives and blasting techniques IA J350
Open House and Review of Activities IA J365
Lead properties and applications IA J365
U.K. Mining Companies IA J409
New prospects in the Mining Sector IA J409
Machinery on show in Spain M J410
Copper exploration future IA J430
Mining history congress, Bochum P M536
The Global outlook for TiO₂ and TiO₂ replacements/ extenders IA J482
Globalization of steel: the North American impact IA J482
Ophiolite Rocks IA J503
Australian Gold Conference 1990 IA J503
Developments in comminution P M485
Technology in mining A M502

EXPLORATION

Ontario's exploration incentives IA J004
Newfoundland invitation IA J004
China's non-ferrous metals shortage spurs exploration IA J025
Into the 1990s N J030
Geologic exploration of the earth from space A M124
Low prices hit uranium exploration M J359
Funds for Canadian Prospectors IA J394
Study on ground radar M J410
Out of Africa N J427
A Swedish Major Exploration Incentive Program P M502
Exploration update A M385
Canadian mining equipment and expertise for the world A M429
Computing in Canadian exploration A M460
Ground probing radar demonstrated in U.K. M M467
Exploration R&D in the E.C. M J438
Prospecting in Ladakh IA J481

GEOLOGY & ORE RESERVES

Reccon mine A M102
Geologic exploration of the earth from space A M124
Carlin Trend Gold Belt: the geology A M256
New type mineralisation in the Swiss Alps A M290

Natural resources - seasonal cheer N J484

LABOUR

Magma Copper accord IA J007
Medical insurance for mining IA J007
Centromin strike call IA J007
Codelco agreement/disagreement IA J027
R.S.A. settlement IA J027
Military measures for Peruvian mines IA J027
U.K.: NUM merger talks IA J027
Soviet coal strike crisis M J041
Trouble escalates in Peru M J041
U.S. coal strike worries M J042
Siberian chill N J051
Soviet miners return M J061
Peru attacks M J067
Pittston proposal IA J107
Zambia: labour and currency M J122
Peruvian miners' strike M J129
Milpo workers return IA J131
Peruvian strike continues IA J170
Chilean strike vote IA J170
Peruvian strike wanes IA J170
Highland Valley talks progress IA J170
Highveld talks stymied IA J170
Good relations on N J173
Pittston burns on M J186
Noranda walkout IA J186
Piru strike ends IA J186
Salvador vote taken IA J211
Mines ratified IA J211
Cananea arbitration IA J230
Highland Valley saga IA J230
Strike hits Benguet Corp. IA J230
Codelco strike ends IA J230
Noranda's tentative offer IA J230
Turkish mediation M J247
Peruvian bonus M J250
Benguet strikers ordered back IA J250
Highland Valley draws out mediation talks strike at De Beers IA J325
On-going talks for Noranda IA J327
Confirmation of Cananea pact IA J345
Soviet miners' strike IA J350
Pay demands at Disputada IA J350
Stay safe E M243
Kosovo miners ousted IA J365
Spanish problems IA J365
Agreement at Cons. Marchison IA J365
BP Minerals' demise IA J365
Expatriate pay M J386
Disputada strike averted IA J386
Austrian shock IA J386
Italco extends labour pact IA J409
Soviet coal strike deepens IA J409
Polish miners not impressed IA J409
Long-distance commuting N J412
Soviet coal drift M J420
Cajamarquilla disruption IA J443
Minero Peru in talks IA J462
Noranda strike moratorium IA J462
End to Soviet strike IA J463
Strike ends at Minero Peru IA J503
Spanish coal problems IA J503

MAINTENANCE & LUBRICATION

Debris tester for lubricating oils M J068
Study on severe wear problems in mine equipment M J068
New range of wire rope dressings M M065
Hydraulic jacks aid in large excavator maintenance M M225
New product boosts engine performance and longevity M J328
MBU aids British Gypsum upgrade M J346
Boosting engine performance M M535
Longevity M M535

MATERIALS HANDLING

New steep incline conveyor M J047
Improve accuracy in bolt-on weighing systems M J047
Lokotrack: innovative in-pit crushing at U.K. quarry M M064
Pipe conveyor installations at U.K. collieries M M068
Conveyor idler monitors M M069
Low-cost belt weigher for mining & quarrying M J088
New rivet solid-plate conveyor belt fastener M J088
Canadian surface mining technology A M374

METALLURGY

Using smelter slag in mine backfill A M118

MINE ENGINEERING

Engineering services M M086

MINE LIGHTING

Ultralight™ cap lamp M J108
Ultralight™ cap lamp M M533

MINE MANAGEMENT

Executive views from AMAK N J189
Executive views - from Newmont N J283

MINERAL PROCESSING

New electrowinning cell improves gold recovery M J009
Amelie potash mine A M026
Modernisation of the Nchanga flotation plant A M034
Pyhassalmi concentrator A M040
New design for GEC Duplex concentrators M M066
Microflotation device determines floatability M M067
Minerals separation technology for the 1990s M J130
New rare earth compound permanent magnets M M148
3CR12 stainless steel effective in potash processing plant M J171
Low-cost sonic sifter for dry particle separation M J251
Alfa-Laval & Sharples merge to create major separation company M M224
New electrowinning cell improves gold recovery M J224
Improved laboratory disc magnetic separator M J305
Newmont's mines and mills along the Carlin Trend A M279
Biotechnology A M301
'World's largest' superconducting magnetic separation plant M M327
New cyanide recovery method M J387
Portable miners for mining/mineral processing M J411
Canadian mining equipment and expertise for the world A M447
Retort systems remove Hg and water from Au/Ag concentrates M J504
Perlite mining in Hungary A M498

MINING EQUIPMENT

Hydraulic drills A M048
Reccon mine A M109
Reccon mine A M115
Bergbau '89 postscript A M137
Modular water storage tanks for mines M J231
Nevs Corvo A M184
Field and lab equipment for the prospector and miner M J308
Canadian association for exporting mining equipment M J328
Goldstrike mine A M369
Manufacturers of fans and ancillaries A M319
Crean Hill, Ontario: Inco's all-electric mine A M406
Canadian mining equipment and expertise for the world A M429
Namibian diamonds A M494
Technology in mining A M502
Power Inc.'s coal mines forge ahead A M516

OFFSHORE & DEEP SEA MINING

South Korea invests in deep sea mining IA J027

OPENCAST MINING

Reccon mine A M102
Coal and lignite mines of the Market Economy A M213
Goldstrike mine A M369
Namibian diamonds A M494
Power Inc.'s coal mines forge ahead A M516

POLITICO-ECONOMIC

Ontario's exploration incentives IA J004
Into the 1990s N J030
Changing perceptions N J031
China: import probe M J042
Zaire rift healed M J042
S.A. gold mine pressures continue M J055
Bolivia prospects M J063
Peru attacks M J063
Nonoc see-saw IA J067
The Soviet coal industry N J071
Pie in the Sky? M J073
Legislated invasion M J081
Venezuelan outlook M J103

South African restrictions MW J103
Zambia: labour and currency IA J107
Africa's renewed links N J111
Bolivian mining boost MW J122
Mining electricity in Peru IA J127
Bolivia on the road N J132
Lord of the dance N J133
Albanian mineral projects IA J149
Western interest in Hungary IA J151
Strong growth for Botswana IA J151
U.S. mining law N J154
Great expectations N J155
Non-ferrous metals - Japan's recipe N J172
S. Africa's poll protest MW J184
Libya's realign N J191
Mines investment for Iran IA J211
Tanzanian item IA J211
Mining in Vietnam - a door ajar N J215
"Mandate for reform" N J217
Namibian return MW J226
Australian ranking MW J227
British Coal - the ultimate goal N J233
Mexico's dilemma N J235
ESA privatization MW J246
Sri Lanka steady MW J246
Brazil's political row over steel MW J247
New Zealand slow-down IA J250
Polish mines seek independence IA J250
Debt management Chilean style N J252
Chromes from Detroit N J253
Mineral resources of Vietnam: problems, but potential A M208
Peruvian shuffle MW J274
Hostage to fortune N J285
Mixed spirits in South Africa MW J318
South Africa counts cost of apital punishment MW J353
P.N.C. unrest N J358
Koli bare N J373
Chile heats up MW J382
U.N. support MW J383
Vietnam doi moi MW J403
Never the twain IA J413
Out of Africa N J427
Mongolian mineral law IA J430
Donbas mines set up lending facility IA J430
Coal - the corporate changes N J446
Treading warily N J447
Australia's declining public investment N J466
Brazilian election N J467
Dominican update MW J479
U.K. companies growing up MW J491
Indonesian plans MW J498
Bulgarian question MW J498
1980s - a time of reconstruction N J507
New wind blowing N J509
Farewell, the 80s E M483

PROSPECTING

Field and lab equipment for the prospector M M533

PUBLICATIONS

Ontario mineral report IA J004
Into the 1990s N J030
Newsletter for small-scale mining IA J046
IMW bonus IA J046
Expatriate service by BBC IA J067
Register of Australian Mining 1989/90 IA J129
Extraction metallurgy R M150
Shaft engineering R M150
Looking forward E M185
The Iron Moor N M231
Extraction metallurgy '89 IA M231
Australian overview IA J279
U.K.: Earth sciences in the 1990s IA J365
AMIRA: mineral processing IA J430

World mineral statistics IA J443
A history of Outokumpu IA J503
An album of map projections E M531
Trading in Wyoming's Geology of Wyoming's precious metal lode and placer deposits R M531

PUMPS & PIPES

Quick-joint unions for HDPE pipes M J048
Powerful high-head pump for mining/quarrying N M088
Heavy duty peristaltic pump handles Ni plant slurry N J108
Low noise pumps N M149
Peristaltic pump in nickel processing N M536

RESEARCH

Pie in the Sky? N J073
Bacteria: gas busters IA J211
U.S.S.R. metal from spoil IA J280
Antarctica on ice N J349
Sub-atomic research MW J403
Study on ground radar N J410

ROCK MECHANICS

Alimak Narrow Vein mining at the Dome mine A M393

RUBBER & PLASTICS

New Linatex plant in Malaysia M J366

SAFETY & HEALTH

Chinese accidents MW J001
Medical insurance for mining IA J007
South African gold accident IA J086
South African mine flood IA J086
Gencor adds to stream of accidents IA J086
Hungarian mine collapse IA J087
Self-rescuers for underground mine emergencies N J108
Bow doors open MW J121
R.S.A. rockbursts IA J129
Bharat coal accident MW J145
Cameras detect spontaneous combustion in underground mines N J130
Chinese accidents MW J145
The hospital at Tembapapura E M139
Electroflame - just another methanometer? N M147
Four hour self-contained breathing apparatus N M148
Spitzbergen coal accident IA J170
U.S. coal accident MW J225
South Korean fire IA J230
Hand-held dust meter gives instant readings N J232
U.S. fatalities MW J274
Cornish fears put at rest IA J279
Accident at Lonrho mine IA J327
Kloof cage accident E M340
Stay safe E M343
Improving mine ventilation R M357
Rondonia tragedy IA J385
Deekraal rockfall P M386
Prosthetic delivient statistics MW J421
Yugoslav mine tragedy IA J430
Indian miners trapped IA J481
Safety award for Roasting IA J482
South African accidents MW M534
Cameras detect spontaneous combustion

STRATA CONTROL

Rubber-based seal against water in-flow M J048

Shaft engineering A M056
Rock roof-bolting adaptor M J346
Rock stability problems in Polish coal mines P M251
Mine workings stabilized with pumped concrete M M325

SURVEYING

West Greenland sediment IA J004
Albanian geological map IA J106
Geologic exploration of the earth from space A M124
New total survey station N J387
Long range retro-reflector for mine slope monitoring M J483

TAXATION & TARIFFS

Australian gloom MF J057
Bullion relief IA J067
Australia: gold tax impact IA J250

TRADE & STATISTICS

Into the 1990s N J030
Changing perceptions N J031
China import probe MW J042
Phosphate rock - room for optimism N J049
Changes at the helm on Comex S J054
Soviet coal industry S J071
MG metals index S J075
Japanese interim report S J094
MG index S J095
Chicago traders indicted MW J101
Africa's renewed links N J111
Commodity cooling S J114
Minor metals quiet S J115
Strikes boost base metals S J114
Gold's evolution continues MW J146
LME fights fund segregation S J175
Australian ranking MW J227
Official gold reserves IA J250
Copper outlook - more of the same N J255
Mineral resources of Vietnam: problems, but potential A M208
Coal and lignite mines of the Market Economy Countries A M213
Tin lacks vital statistics MW J274
Uranium financing MW J275
U.S. bill to curb commodity abuses MW J299
New Hymex president MW J299
Special treatment N J313
Wolf in Hungary S J314
Tin export controls extended MW J321
LME: segregation move MW J323
Australian outlook IA J327
UNCTAD on iron ore IA J327
Uranium: an uncertain market N J330
Gold's cold bath N J331
Soviet trade IA J350
Quebec analysis IA J350
South Africa counts cost of capital punishment MF J353
Low prices hit uranium exploration MW J359
Soviet minerals trade - the Asian dimension N J371
Soviet sales strategy IA J386
Zirconium comes of age N J389
Promoted delivient statistics MW J403
Chinese expectations MW J402
Japanese smelter records MW J421
Gold breaks back MW J422
Gold ranking MW J423
Chilean delivery N J427
Out of Africa E M349
Asbestos mining A M411
Coal - the corporate changes E J446
Golden spur MW J479
Nickel under control N J487

Mixed LME response to Panama Canal closure S J011
Farewell, the 80s E M483

TRANSPORT

Rimco scoop and heavy load carrier N J047
New off-road truck rims from Dresser M J108
Africa's renewed links N J111
Large bulk Asfo and emulsion trucks for Australian mines N J153
South Africa's monster train IA J279
Leeds and the diesel loco P M246
Long-distance commuting N J413
Canadian surface mining technology A M374
New off-highway truck N M469
35C arctic truck for quarries N J444
Caterpillar's growing commitment to mining N J464

TUNNELLING & SHAFT SINKING

Shaft engineering A M056
New form of concrete with mining applications N M069
CUB hard rock, full face TBM for metal mines A M208
Record bored shaft MW J298
Record raise boring with Rhine 3000 MW J426
New TBM unveiled MW J467
CUB hard rock, full face TBM

UNDERGROUND MINING

New longwall shearer introduced by Joy M J029
Amelle potash mine A M028
Shaft engineering MW J034
Secunia mine A M184
Reven Corvo A M184
Coal and lignite mines of the Market Economy Countries A M213
New application for Genius™ control system N M236
Second new continuous miner for Cleveland Potash, U.K. M J227
The Anderson Electra 1000 shearer M J228
Record raise boring with Rhine 3000 MW J387
New TBM unveiled MW J426
Alimak Narrow Vein mining at the Dome mine A M393
Raiseboring: successful for narrow-vein Macassa mine A M418
Canadian mining equipment and expertise for the world A M437
Shearer impresses in longwall iron mining P M484

VENTILATION & DUST CONTROL

Portable ventilator for mines MW J130
"Permyne" stabilizes roads and suppresses dust N J130
Continuous fine dust monitoring system MW J149
New dust precipitator for mills and crushers N M171
Hand-held dust meter gives instant readings N J232
Improving mine ventilation A M213
Manufacturers of fans and accessories A M319
Dust control for mine haul roads, stockpiles, etc. M J366
Portable ventilator for mines MW M534
Dust control for mine haul roads, stockpiles etc. M M535

Companies and Other Public Bodies

A
AAF-Ltd. M J171
ACW Gold MF J355
Agip IA J108
IA J277
Alcan MF J130
Alcan MF J059
Alcoa IA J045 MF J059
Alcoa of Australia IA J186

Alcon Ltd. N J504
Alfa-Laval Sharples N M224
Alimak P M088
Alluvial Dredges IA J045
P M168
Aluminium Bahrain BSC MF J038
Aluminium Suisse MF J287
Amalgam Corp. N J504
AMAL MF J059
MW J121 MF J118
MW J162 N J189
Amex Gold Inc. MF J038

American Barrick A M269 MF J379
A M269 MF J438
American Gold Resources MF J316
American Pacific Mining MF J083
Andaman Resources IA J185
Anderson Strathclyde MW J021
Andrews Sykes N M068
Anglesey Mining IA J044
IA J425 MF J481
Anglo American Corp. MF J056
MF J058 MF J077 MF J417

Anglo American Gold MF J452 MF J453
Investment MF J252
Anglo Limited MF J118
Anglovaal MF J455
Antofagasta Holdings MF J179
MF J189
Argyle Diamond Mines MF J456
Arizona Metals Co. MF J181
Awarco MF J078
Asarco MF J355
Asarco Mining MF J118
Asturiana de Zinc A M102

Atlas Consolidated Mining
and Development Corp. IA J007
Atlas-Copco MF J220
Audrey Resources IA J087
Auergetschelacht M J108
Aur Resources MF J015
Austmalt Pty Ltd. MF J514
Australian Consolidated
Minerals MF J289
Australian Mineral
Industries Research
Association M J068
IA J361
IA J418
IA J248

B

BAV Mechanical Handling M M064
Barplats Mines MF J202
Barrack Mines IA J065
IA J481
MF J472
Battle Mountain MF J100
Bell Resources MF J308
Belmorai Mines MF J221
Bena Gold IA J440
IA J151
Benguela Concessions MF J230
Benguet Corp. IA J250
P M086
M J280
Bharli Laamnen Mining Inc. MF J015
BHP-Utah IA J425
P M091 M J329 MF J474
Big Strike Resources IA J127
Billion IA J149
IA J303
Bismarck M M148
Blitz Engineering M J068
M J212
IA J480
Bitech Corp. MF J100
Blackwood Hodge M M469
M J152
Boart UK M J171
MF J057
Solides IA J407
IA J407
Solides Allis M J069
Bond Corporation MF J291
Bond International Gold MF J167
MF J317
MF J399
Botswana RST MF J118
Bougainville MF J057
MF J137
BP Coal MF J297
BP Minerals IA J365
Bradley Pulverizer M J347
Brancas MF J395
Breakwater Resources MF J180
Bredel Machine-en
Constructiebed-rif M J108
British Coal MF J079
M J131 MF J165
N J233 A M192
MF J418
British Drilling and
Freezing M J505
British Gypsum M J046
British Mining Consultants M J090
IA J107
British Nuclear Fuels IA J107
British Petroleum MF J081
MF J205 MF J353
MF J497 MF J436
British Ropes M M065
Broken Hill Proprietary MF J491
IA J211 MF J243 MF J513
Brush Transformers Ltd. M J366
Butte Mining MF J336

C

Caseli MF J473
Cambior MF J015
Campbell Resources A M387
Canadian Association for
Mining Equipment and
Services for Export M J328
Carr Boyd Minerals MF J118
MF J402
Caterpillar IA J361
M M533
CDM A M494
Cementation Mining M J329
Centromia IA J386
Charbonnages de France IA J385
Charter Cons. MF J595
MF J490
Cia Auxiliar de Empresas de
Mineracao MF J318
Cia de Acero del Pacifico SA MF J474
Cia Minera de Cananea MF J145
MF J182
M J306
Clarkson Co. M J411
Clough Gold Mines MF J355
Cluff Resources MF J355
MF J491
Codelco MF J117
IA J186
Comalco MF J079
MF J203
Combol MF J291
MF J397
MF J337
Comilog M J153
Cominco MF J021
MF J077 MF J100
IA J404
Companhia de Mineracao e
Participacoes IA J084

Companhia Vale do Rio Doce MF J057
IA J085 MF J239 MF J343
Conroy Petroleum and Natural
Resources MF J242
MF J418
Consolidated Gold Fields MF J001
MF J058
MF J241 MF J038
MF J078 MF J101 MF J291
Consolidated TVX Mining
Corp. MF J455
M M089
Con-Tech Services M J048
Control Techniques Drive
Centre M J305
Coomo-PUM Pty. M J048
Corona Corp. MF J016
IA J025 MF J181
MF J316 MF J397 MF J455
MF J083
CRA IA J125 MF J182 MF J395
MF J514 MF J171
M J505

Cromwell Steels
Crouch Mining
CSIRO Div. of Coal
Technology M J152
MF J340
MF J433
Cultus Gold IA J284
Cyprus Minerals MF J078
IA J151 MF J222 MF J338
MF J340 MF J477

D

Datamine International M J366
Davy Corp. IA J209
Dayton Developments IA J440
De Beers N J092
MF J138 MF J341 MF J417
M J457
Dee Mining A M264
Denison Mines MF J038
MF J474
Denver Mineral Engineers M J009
M J504
Deter U.K. M J232
Dofasco MF J118
Dominion Mining MF J289
MF J291
Dosco Overseas Engineering M M066
Dresser Industries MF J291
M J108 M J131
M J465
DUECO M J227
Du Pont (Australia) IA J026
Du Pont de Nemours IA J045
MF J478
Durban Roodepoort Deep MF J168

E

Eastern and Southern African
Mineral Resources P M248
East-West Minerals P M318
Echo Bay Mines M J153
Enderby MF J451
Ego Resources IA J106
Eickhoff P M484
Elanco M J047
Elanco-Secona P M058
Elkco MF J028
MF J241
Ellicott Machine Corp. IA J480
M J213
Enami M J453
Endecotta M J251
Enders MF J185
Enferac MF J225
Engelhard Corp. S J094
English China Clays MF J118
MF J492 MF J195
Enxet International IA J276
MF J491
Entac Western Inc. M J366
M M535
Entec Industries M M069
M J212
Eriez Magnetics M M148
M M327
Europa Minerals MF J017
MF J491 MF J025 MF J319
European Community N J010
N J011 MF J438
Exxon Corp. IA J350

F

Falconbridge MF J058
MF J081 MF J116
MF J182 M J187
F.B. Fanner & Co. M M487
MF J335 M J426
Flexible Steel Lacing Co. M M089
Fluor Corp. IA J127
Fluor Daniel M J090
M J213
F.M.C. Wyoming Corp. P M484
MF J038
MF J315
Fores Mining MF J177
Freeport-McMoan A M129
Freeport-McMoan MF J379
Freeport-McMoan MF J159
Freeport-McMoan MF J437
Fuller Co. M J213

G

Galactic Resources MF J142
A M264
GEC Mechanical Handling M M066

Gecamines IA J027
M J329
Geovir IA J048
G.F. Bask Inquity Centre M M226
Genbel Investments MF J178
Gencor IA J086
MF J118 MF J139 MF J202
MF J222 MF J379 MF J457
General Petroleum & Mineral
Organization (Petromin) MF J377
Genflo UE Ltd. M J130
M M534
Geoscience IA J046
Giant Resources MF J433
Giant Yellowknife MF J473
Gilsco Co. M J483
Glencar Explorations MF J340
Global Enzymes M J130
GMP International M J346
Golconda Minerals IA J044
Golden Star Resources IA J500
Gold Fields of South Africa MF J036
MF J181
MF J137 MF J139 MF J222
MF J196 MF J200
Gold Mines of Kalgoorlie MF J474
Gold Standard Inc. IA J276
Greenbushes MF J276
Greenstone Resource MF J276
Grinding Process Development
Co. M M330

H

Halifax Tool Co. M J426
Hanson Plc MF J001
MF J453
Hartebeestfontein MF J240
Hawker Siddeley MF J090
Hecia Mining P M246
Helmut Hund M M148
Highland Valley Copper IA J170
IA J230
Homestake Mining MF J099
MF J377
Howden Group Canada M J444
Hudson Bay Mining & Smelting IA J045
Huwood M J047
M J281

I

Iberica del Cobre MF J018
ICI Explosives Group M J152
Imexco MF J118
Impia Platinum MF J118
ME J136 ME J270
Inco MF J017 P M011
MF J354 MF J417
A M406 S J449
MF J457
Intercontinental Gold &
Minerals P M009
International Tin Council MF J417
Ivern West MF J417

J

James Howden M J465
Jason Mining M J387
JKS-Boyles M M068
M J280
Johannesburg Cons. MF J197
Investment MF J200 ME J266
MF J269
Johnson Matthey MF J055
MF J490
MF J195 IA J461
Joutel Resources IA J248
Joy Technologies M J029

K

Kali und Salz AG MF J077
N J311
Kemira Oy MF J438
Kennar Resources MF J123
Kenscott IA J065
MF J202
Kerr McGee P M006
M J047
Kistler-Morse M J388
Klockner-Humboldt-Deutz M J066
Knopfax MF J100
Komatsu MF J183
Korea Zinc M J505
Fried. Krupp GmbH M J212

L

LAC Minerals MF J121
IA J125 MF J321 MF J361
A M418 MF J472 MF J484
Leboan Platinum Mines MF J395
Lencourt IA J301
Liebherr Great Britain M J483
Lokotrack Nordberg M M064
London Metal Exchange S J075
S J175 S J210
MF J323 S J374
Lorhro MF J183
MF J205
Lucas Fluid Power M M149
Luconara-Kilruanavara AB
(LKAB) MF J035
Lurgi GmbH M J308

M

Macrae Mining Co. MF J317
Magma Copper Co. IA J007
MF J182

Malaysia Mining MF J243 MF J202
W.G. Manners & Co. MF J453
M J231
Manacamas Demag M M226
Baumachinen MF J358
Markham & Co. M J505
Marlow Drilling Services M J484
Marchinebau Uim N J346
Master Magnets M J305
M M087
M.D. Research Co. MF J015
Meekatharra Minerals P M091 MF J474
Metaleurop MF J292
S J075
Metallgesellschaft S J094 IA J168 MF J435
Metall Mining Corp. MF J014
Metals & Minerals Research MF J179
Metana Minerals MF J291
Whondoro Mining IA J248
Micron Metals MF J139
MIM Holdings MF J196 MF J267 MF J381
MF J396 MF J450 MF J497
Mine Engineering Services M M066
Miners Incorporated M J306
M M533
Mines de Potasse d'Alsace A M026
Mining Journal A M308
Mining Magazine E M145
Minorco MF J241
MF J490
Minpro A/S M J069
Minpro P M006
MF J492
Mitsubishi MF J290
Monarch Resources MF J038
Montabert A M048
Moog Controls M M067
Morgardshamar M M532
MRM Products M J483
MSA International M J108
M M533

N

Nash Engineering M J090
Neptune Resources M J400
Neumann Equipment Pty. M M224
Newmont Australia MF J160
Newmont Gold MF J269
N M301
Newmont Mining N J283
MF J101
N J283
N J283
N M263 MF J434 MF J437
Nippon Mining MF J455
Nonoc Mining & Industrial MF J317
Noranda Mining Corp. IA J064
Noranda MF J038
MF J058 MF J116 MF J121
MF J183 MF J232
IA J230 IA J327 MF J378
IA J482 IA J480
Nord Resources MF J201
North Broken Hill Peko MF J269 MF J376
Northgate Exploration MF J338
A M400
NSM MF J381 A M387
MF J491
Nuova Samin MF J118

O

OAK Orenstein & Koppel AG M J281
M J444
Odebrecht MF J118
Ogden Northmount Services MF J298
Ok Tedi Mining MF J472
A M118
OSNA Equipment Ltd. IA J025
M J251
M M534
Osprey Electronics M J130
A M040
Outokumpu IA J149 MF J159 MF J225
MF J241 P M166 MF J317
IA J365 IA J384 MF J401
Outokumpu Electronics M J009

P

Pacific Energy Co-operation
Committee MF J147
Pacific Houston Resources IA J064
Pancocontinental Mining MF J163
Paramapama MF J140
Pamintco MF J165
Pechiney MF J292 IA J345
Pegasus Gold MF J281 MF J297
Petrobras MF J137
Philips Dodge MF J240
IA J148 MF J221 MF J355
MF J493
Phillips Driscopipe MF J463
Pischock, Allen & Holt IA J383
M J445
Pioneer International MF J245
Pioneer Minerals Exploration MF J118
Placer Dome MF J138
A M393 MF J471 IA J500
Pouelidon MF J291
MF J512
Potash Corp. of Saskatchewan MF J139
Power Inc. MF J118
A M516
Pramag AG MF J273
Putzmeister-Werk M M325

Q

Queenstake Resources IA J208

R

Ram Raising Ltd. A M393
Rand Mines NW J205
Radland MF J337
J. S. Redpath Group MF J195
Benison Goldfields A M418
Reynolds Metals MF J177
MF J355 IA J425
Rheinische Braunkohlenwerke MF J097
Rhône-Poulenc IA J186
Rio Algom MF J455
MF J378
Riofiank MF J419
Rio Tinto Minera A M198
NW J439
Rio Tinto Zimbabwe IA J248
A M198
RMC MF J195
The Robbins Co. N J153
Robertson Geologging W J069
Robertson Group IA J064
MF J491

Rossing Uranium A M198
RTI Consultants IA J481
RTI Corp. A M198
MF J038 MF J078 NW J081
MF J139 MF J195 MF J230
MF J235 A M184 MF J289
IA J300 MF J419
Ruhrkohle MF J037
Rustenburg Platinum ME J098
MF J100 NW J345 ME J288
IA J482

S

Saarbergwerke MF J097
Schroeder Brothers Corp. N J281
Schwing Hydraulik Elektronik N M085
Sleiger N M147
Signal Instrument Co. N J444
Sikama Resources MF J163
Skylite Gold Corp. A M370
J. K. Smith and Son N J410
Société Générale de Belgique NW J477
Société Minière de Bakwanga MF J179
Sokkisha N J587
Sominacor A M184
A M198
South Western Mining and Tunneling IA J482
W. R. Staalor Corp. N J445

Staveley NDT Technologies N J088
Steel Authority of India Ltd IA J443
Stockdale Filtration Systems N J347
Subsurface Geotechnical Services N M487
Sulzer N J088
N M359
Sumitomo Metal Mining MF J202
NW J437

T

Tamrock P M086
N J387
Tanzania-Zambia Railway MF J285
Tarmac MF J195
Taylor Woodrow IA J489
Technical & Procurement Services A M034
Teck Corp. MF J378
MF J514
Terex Resources IA J278
3T (UK) Ltd. N J328
N M335
Tracor Atlas N J028
N M225
Trelleborg MF J037
NW J121 MF J338
Tronoh Mines MF J202

U

United Constructions N J229
United Nations NW J383
U.S. Gold Corp. IA J480
MF J455

V

Viceroy Gold Corp. NW J382
Voest-Alpine MF J023
Volth N J444

W

Wagner P M086
Watts, Griffiths and McDougall IA J148
Western Areas MF J455
Western Mining NW J081
MF J100 NW J305 MF J221
MF J384
Wilkinson Rubber Linates N J366
Wirth GmbH N J465

Z

ZCCM Ltd. A M034
MF J265 IA J379 MF J436